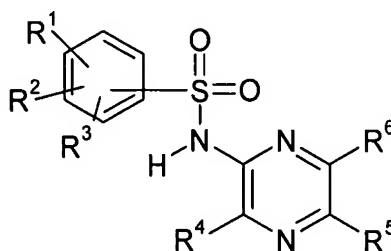


IN THE CLAIMS:

This listing of claims will replace all prior versions and listing of claims in the application.

Listing of the claims:

Claim 1 (currently amended): A compound of formula (I) or a pharmaceutically acceptable salt or solvate thereof:



(I)

in which:

R¹, R² and R³ are independently hydrogen, chlorine, fluorine~~halogen~~, or cyano, ~~CF₃, OCF₃, OC₁₋₆ alkyl or C₁₋₆ alkyl~~;

R⁴ is halogen, CO₂R¹², or C₁₋₆ alkoxy where the alkyl group may form a 3-6 membered saturated ring or may be substituted with 1-3 fluorine atoms or a cyano group;

~~C₃₋₆ alkenyloxy or C₃₋₆ alkynyloxy where either may be optionally substituted with hydroxy or NR¹⁴R¹⁵;~~

~~OC₁₋₆ alkyl-X-C₁₋₆ alkyl where the alkyl groups may form a 3-6 membered saturated ring;~~

~~OC₁₋₆ alkylR¹¹, or OC₂₋₆ alkyl-X-R¹¹ where the alkyl group may form a 3-6 membered saturated ring and is optionally substituted with 1-3 groups selected from hydroxy, halogen, NR¹⁴R¹⁵, SR¹³, S(O)₂R¹³, S(O)R¹³ or COR¹³;~~

~~OC₁₋₆ alkylR¹⁶;~~

R⁵ and R⁶ are independently hydrogen, cyano, halogen, CO₂R¹², CONR¹⁴R¹⁵; C₁₋₆ alkyl optionally substituted by hydroxy, NR¹⁴R¹⁵, or 1-3 fluorines;

~~C₁₋₆ alkylR¹¹ or XCH(R¹¹)C₁₋₆ alkyl or XCH(R¹⁶)C₁₋₆ alkyl where the alkyl group may be optionally substituted with 1-3 groups selected from hydroxy, and NR¹⁴R¹⁵;~~

~~NR¹⁴R¹⁵; N(R¹¹)R¹¹; X-(CH₂)_qNR¹⁴R¹⁵; (CH₂)_nNR¹⁴R¹⁵; NHC(O)C₁₋₆ alkyl optionally substituted by one or more hydroxy groups;~~

C₃₋₆ alkynyl or C₃₋₆ alkenyl optionally branched and optionally substituted with 1-3 groups selected from hydroxy, cyano, halogen and =O;

R^{11} ; $X-R^{11}$; $X-R^{12}$; $X-C_{1-6}alkylR^{16}$; $X-R^{16}$; $X-(CH_2)_nCO_2R^{12}$; $X-(CH_2)_nCONR^{14}R^{15}$;
 $X-(CH_2)_nR^{11}$; $X-(CH_2)_nCN$; $X-(CH_2)_qOR^{12}$; $(CH_2)_nOR^{12}$;
 $(CH_2)_nX-R^{11}$; $X-(CH_2)_qNHC(O)NHR^{12}$; $X-(CH_2)_qNHC(O)R^{12}$;
 $X-(CH_2)_qNHS(O)_2R^{12}$; $X-(CH_2)_qNHS(O)_2R^{11}$; $X-C_{3-6}alkenyl$; $X-C_{3-6}alkynyl$;

n is 1, 2, 3, 4 or 5;

q is 2, 3, 4, 5 or 6;

X is NR¹³, O, S, S(O), S(O)₂;

~~R^{11} is an aryl group or a 5-7 membered heteraromatic ring containing 1-4 heteroatoms selected from nitrogen, oxygen or sulphur each of which can be optionally substituted by 1-3 groups selected from halogen, C(O)NR¹⁴R¹⁵, C(O)OR¹², hydroxy, =O, =S, CN, NO₂, COR¹³, NR¹⁴R¹⁵, X(CH₂)_qNR¹⁴R¹⁵, (CH₂)_nNR¹⁴R¹⁵, (CH₂)_nOH, SR¹³, S(O)R¹³, S(O)₂R¹³, C₁₋₆alkyl, X-C₁₋₆alkyl, C₁₋₆alkyl or C₁₋₆alkoxy where the alkyl group may form a 3-6 membered ring or is optionally substituted with 1-3 groups selected from hydroxy, halogen, NR¹⁴R¹⁵, SR¹³, S(O)R¹³, S(O)₂R¹³;~~

R^{12} and R^{13} are independently hydrogen or C₁₋₆ alkyl where the alkyl group may be substituted with 1-3 fluorine atoms; ~~or may form a saturated 3-6 membered ring; and~~

R^{14} and R^{15} are independently hydrogen, C₁₋₆ alkyl, C₂₋₆ cycloalkyl or (CH₂)_qOH;

~~or R^{14} and R^{15} together with the nitrogen atom to which they are attached form a 4-8 membered saturated ring containing 1-3 heteroatoms selected from nitrogen, oxygen and sulphur and optionally substituted by C₁₋₆alkyl, C₁₋₆alkyl-OH, or hydroxy; and~~

~~R^{16} is a 4-8 membered saturated ring containing 1-3 heteroatoms selected from nitrogen, oxygen or sulphur and optionally substituted with 1-3 groups selected from hydroxy, cyano, halogen and =O;~~

provided that:

- when R^4 is halogen or C_{1-4} alkoxy and R^5 is hydrogen, halogen, C_{1-4} alkyl, C_{1-2} alkoxy, C_{1-2} alkylthio, trifluoromethyl or ethynyl and when one of R^1 , R^2 , or R^3 is C_{1-6} alkyl or C_{1-6} alkoxy and is meta to the sulphonamide group then the group ortho to both the sulphonamide group and the C_{1-6} alkyl or C_{1-6} alkoxy group is not hydrogen;
- when R^4 is halogen or C_{1-4} alkoxy and R^5 is hydrogen, halogen, C_{1-4} alkyl, C_{1-2} alkoxy, C_{1-2} alkylthio, trifluoromethyl, or ethynyl and when one of R^1 , R^2 or R^3 is C_{1-6} alkyl or C_{1-6} alkoxy and is ortho to the sulphonamide group then the group ortho to the C_{1-6} Alkyl or C_{1-6} alkoxy and also meta to the sulphonamide group is not hydrogen;
- when two of R^1 , R^2 , R^3 are hydrogen and the other is a methyl group para to the sulphonamide and R^4 is methoxy then R^5 is not hydrogen or bromo, and
- when R^5 is methyl and R^6 is methoxy and one of R^1 , R^2 or R^3 is bromo or iodo and the other two are both hydrogen, then the bromo or iodo group is not ortho to the sulphonamide group.

Claim 2 (**currently amended**): A compound according to claim 1 in which one of R^1 and R^2 are chloro at the 2- and 3-positions of the phenyl ring and R^3 is hydrogen and the other is chloro, bromo or methyl.

Claim 3 (**currently amended**): A compound according to claim 1 or 2 in which R^4 is C_{1-6} alkoxy such as methoxy, 2-furanylmethoxy, bromo, chloro, 2-methoxyethoxy, (5-methyl-3-isoxazolyl)methoxy, pyridylmethoxy, 3-pyridazinylmethoxy, methoxy, 2-(1-imidazolyl)ethoxy, (2-methyl-4-oxazolyl)methoxy and 4-methoxyphenylmethoxy.

Claim 4 (**currently amended**): A compound according to claim 1 any one of claims 1 to 3 in which R^5 is hydrogen, halogen such as bromo and chloro, phenyl, C_{1-6} alkyl, such as methyl, CH_2OH , cyano and/or 2-aminoethanethiol, 2-aminethanethiol

Claim 5 (**currently amended**): A compound according to claim 1 any one of claims 1 to 3 in which R^6 is hydrogen, C_{1-6} alkyl, CH_2OH and/or halogen.

Claim 6 (**currently amended**): A compound according to claim 1 in which is:
 2,3-Dichloro-N-(3-methoxy-5-methyl-2-pyrazinyl)-benzenesulphonamide
 N-(6-Chloro-3-methoxy-2-pyrazinyl)-2,3,4-trifluorobenzenesulphonamide

3-Chloro-*N*-(6-chloro-3-methoxy-2-pyrazinyl)-2-methylbenzenesulphonamide
2,3-Dichloro-*N*-(6-chloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
2,3-Dichloro-*N*-(5-chloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
N-(5-Bromo-3-methoxy-2-pyrazinyl)-2,5-dichlorobenzenesulphonamide
N-(5-Bromo-3-methoxy-2-pyrazinyl)-3,5-dichlorobenzenesulphonamide
N-(5-Bromo-3-methoxy-2-pyrazinyl)-2,3-dichlorobenzenesulphonamide
N-(5-Bromo-3-methoxy-2-pyrazinyl)-2,4-dichlorobenzenesulphonamide
N-(5-Bromo-3-methoxy-2-pyrazinyl)-3,4-dichlorobenzenesulphonamide
N-(5-Bromo-3-methoxy-2-pyrazinyl)-4-chlorobenzenesulphonamide
N-(5-Bromo-3-methoxy-2-pyrazinyl)-3-chlorobenzenesulphonamide
N-(3-Methoxy-5-methyl-2-pyrazinyl)-2-fluorobenzenesulphonamide
N-(3-Methoxy-5-methyl-2-pyrazinyl)benzenesulphonamide
N-(3-Methoxy-5-methyl-2-pyrazinyl)-2-iodobenzenesulphonamide
N-(3-Methoxy-5-methyl-2-pyrazinyl)-3-fluorobenzenesulphonamide
2-[[[(3-Methoxy-5-methyl-2-pyrazinyl)amino]sulphonyl]benzonitrile
N-(5-Bromo-3-methoxy-2-pyrazinyl)benzenesulphonamide
N-(5-Bromo-3-methoxy-2-pyrazinyl)-2-iodobenzenesulphonamide
2,3-Dichloro-*N*-[3-(2-furanylmethoxy)-5-methyl-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-*N*-[5-methyl-3-(5-methyl-3-isoxazolylmethoxy)-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-*N*-[5-methyl-3-(2-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-*N*-[5-methyl-3-(6-methyl-2-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-*N*-[5-methyl-3-(3-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-*N*-[5-methyl-3-(4-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-*N*-[5-methyl-3-(3-methyl-2-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-*N*-[5-methyl-3-(3-pyridazinylmethoxy)-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-*N*-[3-(2-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-*N*-[3-(3-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-*N*-(3-methoxy-2-pyrazinyl)benzenesulphonamide
N-[5-Bromo-3-(2-pyrazinylmethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide
N-[5-Bromo-3-(1-methyl-6-oxo-1,6-dihydro-3-pyridinylmethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide
N-[5-Bromo-3-(3-pyridazinylmethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide
N-[5-Bromo-3-(3-pyridinylmethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide
N-[5-Bromo-3-(5-pyrimidinylmethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide

~~N-[5-Chloro-3-(3-pyridinylmethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~N-[5-Chloro-3-(5-pyrimidinylmethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
2-Chloro-N-(6-chloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
4-Chloro-N-(6-chloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
N-(6-Chloro-3-methoxy-2-pyrazinyl)-2,4-dichlorobenzenesulphonamide
N-(6-Chloro-3-methoxy-2-pyrazinyl)-3,4-dichlorobenzenesulphonamide
~~3-Chloro-N-(3-methoxy-5-methyl-2-pyrazinyl)-2-methylbenzenesulphonamide~~
2-Chloro-N-(3-methoxy-5-methyl-2-pyrazinyl)benzenesulphonamide
3-Chloro-N-(3-methoxy-5-methyl-2-pyrazinyl)benzenesulphonamide
4-Chloro-N-(3-methoxy-5-methyl-2-pyrazinyl)benzenesulphonamide
2,4-Dichloro-N-(3-methoxy-5-methyl-2-pyrazinyl)benzenesulphonamide
3,4-Dichloro-N-(3-methoxy-5-methyl-2-pyrazinyl)benzenesulphonamide
~~N-(5-Bromo-3-methoxy-2-pyrazinyl)-2-trifluoromethoxybenzenesulphonamide~~
~~3-Chloro-N-(5-chloro-3-methoxy-2-pyrazinyl)-2-methylbenzenesulphonamide~~
2-Chloro-N-(5-chloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
3-Chloro-N-(5-chloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
4-Chloro-N-(5-chloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
N-(5-Chloro-3-methoxy-2-pyrazinyl)-2,4-dichlorobenzenesulphonamide
~~2,3-Dichloro-N-[3-methoxy-5-(4-morpholinyl)-2-pyrazinyl]benzenesulphonamide~~
2,3-Dichloro-N-[3,5-dimethoxy-2-pyrazinyl]benzenesulphonamide
~~2,3-Dichloro-N-[3-methoxy-5-(1-pyrrolinyl)-2-pyrazinyl]benzenesulphonamide~~
3-Chloro-N-(5,6-dichloro-3-methoxy-2-pyrazinyl)-2-methylbenzenesulphonamide
2,3-Dichloro-N-(5,6-dichloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
2-Chloro-N-(5,6-dichloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
3-Chloro-N-(5,6-dichloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
4-Chloro-N-(5,6-dichloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
2,4-Dichloro-N-(5,6-dichloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
3,4-Dichloro-N-(5,6-dichloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
2,3-Dichloro-N-(3-methoxy-5,6-dimethyl-2-pyrazinyl)benzenesulphonamide
2,3-Dichloro-N-(6-chloro-3,5-dimethoxy-2-pyrazinyl)benzenesulphonamide
~~2,3-Dichloro-N-[6-chloro-3-methoxy-5-(4-morpholinyl)-2-pyrazinyl]benzenesulphonamide~~
2,3-Dichloro-N-[6-chloro-5-(2-hydroxyethylamino)-3-methoxy-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-N-[6-chloro-5-dimethylamino-3-methoxy-2-pyrazinyl]benzenesulphonamide

2,3-Dichloro-*N*-[6-chloro-3-methoxy-5-(2-methoxyethoxy)-2-pyrazinyl]benzenesulphonamide

2,3-Dichloro-*N*-[6-chloro-5-hydroxy-3-methoxy-2-pyrazinyl]benzenesulphonamide

2,3-Dichloro-*N*-[6-methoxy-5-([2,2']bipyrazinyl)]benzenesulphonamide

4-[5-(2,3-Dichlorobenzenesulphonylamino)-6-methoxy-2-pyrazinyloxy]benzoic acid

2,3-Dichloro-*N*-(3,5-dichloro-2-pyrazinyl)benzenesulphonamide

2,3-Dichloro-*N*-{6-chloro-3-methoxy-5-([2-methoxyethyl]amino)-2-pyrazinyl}benzenesulphonamide

N-{2-[3-Chloro-5-(2,3-dichlorobenzenesulphonylamino)-6-methoxy-2-pyrazinylamino]ethyl}acetamide

2,3-Dichloro-*N*-[5-(4-hydroxymethyl-1-piperidinyl)-3-methoxy-2-pyrazinyl]benzenesulphonamide

2,3-Dichloro-*N*-[5-cyano-3-(3-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide

2,3-Dichloro-*N*-(6-chloro-3-methoxy-5-methylamino-2-pyrazinyl)benzenesulphonamide

2,3-Dichloro-*N*-(3-methoxy-5-methylsulphanyl-2-pyrazinyl)benzenesulphonamide

2,3-Dichloro-*N*-[5-(2,4-difluorophenyl)-3-methoxy-2-pyrazinyl]benzenesulphonamide

-[5-(2,3-Dichlorobenzenesulphonylamino)-6-methoxy-2-pyrazinylsulphanyl]acetic acid methyl ester

[5-(2,3-Dichlorobenzenesulphonylamino)-6-methoxy-2-pyrazinylsulphanyl]acetic acid

2,3-Dichloro-*N*-[5-(2-chlorobenzylsulphanyl)-3-methoxy-2-pyrazinyl]benzenesulphonamide

2,3-Dichloro-*N*-[6-chloro-5-(3-hydroxy-1-azetidiny)-3-methoxy-2-pyrazinyl]benzenesulphonamide

2,3-Dichloro-*N*-[5-methyl-3-(1-oxy-3-pyrazinylmethoxy)-2-pyrazinyl]benzenesulphonamide

2,3-Dichloro-*N*-[5-chloro-3-(4-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide

2,3-Dichloro-*N*-[5-chloro-3-(1-oxy-4-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide

2,3-Dichloro-*N*-[5-chloro-3-(2-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide

2,3-Dichloro-*N*-[5-chloro-3-(2-methylsulphanylethoxy)-2-pyrazinyl]benzenesulphonamide

N-(3-Butoxy-5-chloro-2-pyrazinyl)-2,3-dichlorobenzenesulphonamide

2,3-Dichloro-*N*-[5-chloro-3-(2-methyl-3-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide

2,3-Dichloro-*N*-[5-chloro-3-(6-methyl-2-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide

2,3-Dichloro-*N*-[5-chloro-3-(1-oxy-2-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide

3-Chloro-*N*-[5-chloro-3-(3-pyridinylmethoxy)-2-pyrazinyl]-2-methylbenzenesulphonamide

3-Chloro-*N*-[5-chloro-3-(3-pyridinylmethoxy)-2-pyrazinyl]-2-fluorobenzenesulphonamide

2,3-Dichloro-*N*-[5-chloro-3-(4-methoxyphenylmethoxy)-2-pyrazinyl]benzenesulphonamide

N-[5-Bromo-6-chloro-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide

~~2,3-Dichloro-N-[6-chloro-3-(3-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[6-chloro-3-(2-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
~~N-[5-(2-Aminoethylsulphanyl)-3-(2-pyridinylmethoxy)-2-pyrazinyl]-2,3-~~
~~dichlorobenzenesulphonamide~~
~~2,3-Dichloro-N-[5-chloro-3-(6-methoxy-3-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
~~N-[3-(3-Bromophenylmethoxy)-5-chloro-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~3-[6-Chloro-3-(2,3-dichlorobenzenesulphonylamino)-2-pyrazinyloxymethyl]benzoic acid methyl~~
~~ester~~
~~3-[6-Chloro-3-(2,3-dichlorobenzenesulphonylamino)-2-pyrazinyloxymethyl]benzoic acid~~
~~2,3-Dichloro-N-[5-chloro-3-(3-hydroxymethylphenylmethoxy)-2-~~
~~pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[5-chloro-3-(3-methylaminomethylphenylmethoxy)-2-~~
~~pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[5-chloro-3-{3-[(2-hydroxyethylamino)methyl]phenylmethoxy}-2-~~
~~pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[5-chloro-3-(4-hydroxymethylphenylmethoxy)-2-~~
~~pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[5-chloro-3-{4-[(2-hydroxyethylamino)methyl]phenylmethoxy}-2-~~
~~pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[3-(4-hydroxymethylphenylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[5-chloro-3-(2-hydroxymethylphenylmethoxy)-2-~~
~~pyrazinyl]benzenesulphonamide~~
~~5-(2,3-Dichlorobenzenesulphonylamino)-6-methoxypyrazine-2-carboxylic acid, methyl ester~~
~~2,3-Dichloro-N-[5-(1-hydroxy-1-methylethyl)-3-methoxy-2-pyrazinyl]benzenesulphonamide~~
~~N-[5-(2-Aminoethoxy)-3-methoxy-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~N-{5-[(2-Aminoethyl)thio]-6-chloro-3-methoxy-2-pyrazinyl}-2,3-dichlorobenzenesulfonamide~~
~~3-[(5-{[(2,3-Dichlorophenyl)sulphonyl]amino}-6-methoxy-2-pyrazinyl)thio]propanoic acid,~~
~~methyl ester~~
~~2,3-Dichloro-N-[5-bromo-3-methoxy-6-methyl-2-pyrazinyl]benzenesulphonamide~~
~~5-(2,3-Dichlorobenzenesulphonylamino)-6-methoxy-3-methylpyrazine-2-carboxylic acid, methyl ester~~
~~2,3-Dichloro-N-[5-(hydroxymethyl)-3-methoxy-6-methyl-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[5,6-dichloro-3-(3-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide~~

3-Chloro-*N*-(5-chloro-3-methoxy-2-pyrazinyl)-2-fluorobenzenesulphonamide
~~3-Chloro-2-fluoro-*N*-[3-(3-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
3-[[2,3-Dichlorophenyl]sulphonyl]amino} pyrazine-2-carboxylic acid, methyl ester
N-(5-Bromo-6-chloro-3-methoxy-2-pyrazinyl)-2,3-dichlorobenzenesulphonamide
3-Chloro-5-[[2,3-dichlorophenyl]sulphonyl]amino}-6-methoxypyrazine-2-carboxylic acid,
methyl ester
2,3-Dichloro-*N*-[6-chloro-5-(hydroxymethyl)-3-methoxypyrazin-2-yl]benzenesulphonamide
~~2,3-Dichloro-*N*-[3-[(6-methoxy-3-pyridinyl)methoxy]-2-pyrazinyl]benzenesulphonamide~~
2,3-Dichloro-*N*-[6-chloro-3-methoxy-5-(methoxymethyl)-2-pyrazinyl]benzenesulphonamide
2-Chloro-*N*-(5-chloro-3-methoxy-2-pyrazinyl)-3-fluorobenzenesulphonamide
2-Chloro-3-fluoro-*N*-(3-methoxy-2-pyrazinyl)benzenesulphonamide
2-Chloro-3-methoxy-*N*-(3-methoxy-2-pyrazinyl)benzenesulphonamide
N-[5-Bromo-3-[(2*S*)-2-pyrrolidinylmethoxy]-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide
~~5-(2,3-Dichlorobenzenesulphonylamino)-6-(3-pyridinylmethoxy)pyrazine-2-carboxylic acid,
methyl ester~~
~~5-[[2,3-Dichlorophenyl]sulphonyl]amino}-6-(3-pyridinylmethoxy)-2-pyrazinecarboxamide~~
2,3-Dichloro-*N*-[5-(4-pyridinyl)-3-(3-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide
~~2,3-Dichloro-*N*-[5-(hydroxymethyl)-3-(3-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
2,3-Dichloro-*N*-[5-(hydroxymethyl)-3-methoxy-2-pyrazinyl]benzenesulphonamide
4-Amino-2,3-dichloro-*N*-(5-chloro-3-methoxy-2-pyrazinyl)benzenesulphonamide
N-(5-Allyloxy-3-methoxy-2-pyrazinyl)-2,3-dichlorobenzenesulphonamide
2,3-Dichloro-*N*-[5-(3-hydroxy-1-propynyl)-3-methoxy-2-pyrazinyl]benzenesulphonamide
~~*N*-[3-[(5-Bromo-3-pyridinyl)methoxy]-5-chloro-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~2,3-Dichloro-*N*-[5-chloro-3-[[6-(hydroxymethyl)-2-pyridinyl]methoxy]-2-
pyrazinyl]benzenesulphonamide~~
2,3-Dichloro-*N*-[5-chloro-3-[(2-methyl-4-oxazolyl)methoxy]-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-*N*-[3-[(2-methyl-4-oxazolyl)methoxy]-2-pyrazinyl]benzenesulphonamide
N-[5-Bromo-3-(phenylmethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide
N-[5-Bromo-3-(2-cyclopropylethoxy)pyrazinyl]-2,3-dichlorobenzenesulphonamide
N-[5-Bromo-3-(3-thienylmethoxy)pyrazinyl]-2,3-dichlorobenzenesulphonamide
N-[5-Bromo-3-[(2-methyl-3-furanyl)methoxy]-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide
N-[5-Bromo-3-[(3-furanyl)methoxy]-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide
N-[5-Bromo-3-[(4-fluorophenyl)methoxy]-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide
N-[5-Bromo-3-[(3-fluorophenyl)methoxy]-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide

~~N-[5-Bromo-3-[3-(2-pyridinyl)propoxy]-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
N-[5-Bromo-3-(pentyloxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide
N-[5-Bromo-3-(propyloxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide
N-[5-Bromo-3-(2-methoxyethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide
N-[5-Bromo-3-(2-ethoxyethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide
N-[5-Bromo-3-(2-fluoroethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide
~~N-[5-Bromo-3-[2-(1H-imidazol-1-yl)ethoxy]-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~N-[5-Bromo-3-[3-(3-pyridinyl)propoxy]-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
N-[5-Bromo-3-[2-(methylamino)ethoxy]-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide
~~N-[5-Bromo-3-[3-(4-hydroxyphenyl)propoxy]-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~N-[5-Bromo-3-(2-phenoxyethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~N-[5-Bromo-3-(cyclopropylmethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
~~N-[5-Bromo-3-(3-phenoxypropoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
2,3-Dichloro-N-(5-ethoxy-3-methoxy-2-pyrazinyl)benzenesulphonamide
2,3-Dichloro-N-[3-methoxy-5-([1,2,4]-1-triazolyl)-2-pyrazinyl]benzenesulphonamide
2-[5-(2,3-Dichlorobenzenesulphonylamino)-6-methoxy-2-pyrazinylsulphanyl]-N-methylacetamide
2-[5-(2,3-Dichlorobenzenesulphonylamino)-6-methoxy-2-pyrazinylsulphanyl]acetamide
2,3-Dichloro-N-[5-(4-fluorobenzylsulphanyl)-3-methoxy-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-N-[5-cyanomethylsulphanyl-3-methoxy-2-pyrazinyl]benzenesulphonamide
~~2,3-Dichloro-N-[3-methoxy-5-([1,2,4]-3-oxadiazolylmethylsulphanyl)-2-pyrazinyl]benzenesulphonamide~~
N-[5-(2-Aminoethylsulphanyl)-3-methoxy-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide
~~2,3-Dichloro-N-[3-methoxy-5-(5-methyl-3-isoxazolylmethoxy))-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[5-(5-dimethylaminomethyl-2-furanylmethoxy)-3-methoxy-2-pyrazinyl]benzenesulphonamide~~
~~N-[5-Bromo-3-(5-dimethylaminomethyl-2-furanylmethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
2,3-Dichloro-N-[5-(2-hydroxyethylsulphanyl)-3-methoxy-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-N-{5-[2-(ethylureido)ethylsulphanyl]-3-methoxy-2-pyrazinyl}benzenesulphonamide
~~2,3-Dichloro-N-[3-(5-dimethylaminomethyl-2-furanylmethoxy)-2-pyrazinyl]benzenesulphonamide~~

~~2,3-Dichloro-N-[6-chloro-3-(5-dimethylaminomethyl-2-furanylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[6-chloro-3-(5-methylaminomethyl-2-furanylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
~~2,3-Dichloro-N-[5-chloro-3-(5-dimethylaminomethyl-2-furanylmethoxy)-2-pyrazinyl]benzenesulphonamide~~
2,3-Dichloro-N-[3-(5-methylaminomethyl-2-furanylmethoxy)-2-pyrazinyl]benzenesulphonamide
N-(5-Bromo-3-methoxypyrazinyl)-2-cyanobenzenesulphonamide
N-(5-Bromo-3-methoxypyrazinyl)-2,3-dichloro-4-fluorobenzenesulphonamide
~~2,3-Dichloro-N-[3-methoxy-5-(4-morpholinylmethyl)-2-pyrazinyl]benzenesulphonamide~~
N-(3-Allyloxy-5-chloro-2-pyrazinyl)-2,3-dichlorobenzenesulphonamide
2,3-Dichloro-N-[5-chloro-3-(2-propynyloxy)-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-N-[3-(2-propynyloxy)-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-N-(5-cyano-3-methoxy-2-pyrazinyl)benzenesulphonamide
~~2,3-Dichloro-N-[3-methoxy-5-[(2S)-pyrrolidin-2-ylmethoxy]-2-pyrazinyl]benzenesulfonamide hydrochloride~~
~~2,3-Dichloro-N-[6-chloro-3-methoxy-5-[(2R)-2-pyrrolidinylmethoxy]-2-pyrazinyl]benzenesulphonamide Hydrochloride~~
~~2,3-Dichloro-N-[3-methoxy-5-(2-pyridinylmethoxy)-2-pyrazinyl]benzenesulphonamide Hydrochloride~~
2,3-Dichloro-N-(3-methoxy-6-methyl-2-pyrazinyl)benzenesulphonamide
~~2,3-Dichloro-N-[3-methoxy-5-(1H-1,2,4-triazol-1-ylmethyl)-2-pyrazinyl]benzenesulphonamide~~
~~N-[3-(5-Aminomethyl-2-furanylmethoxy)-5-chloro-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide~~
N-[3-(5-Aminomethyl-2-furanylmethoxy)-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide
2,3-Dichloro-N-[3-methoxy-5-(2-propyn-1-yloxy)-2-pyrazinyl]benzenesulphonamide
{[5-(2,3-Dichlorophenylsulfonylamino)-6-methoxy-2-pyrazinyl]oxy}acetic acid, methyl ester
N-[5-(2,3-Dichlorophenylsulfonylamino)-6-methoxy-2-pyrazinyl]-2-hydroxyacetamide
6-(2,3-Dichlorophenylsulfonylamino)-5-methoxy-2-pyrazinecarboxylic acid, methyl ester
2,3-Dichloro-N-[6-(hydroxymethyl)-3-methoxy-2-pyrazinyl]benzenesulphonamide
2,3-Dichloro-N-(5-methanesulphonyl-3-methoxy-2-pyrazinyl)benzenesulphonamide
2-[5-(2,3-Dichlorobenzenesulphonylamino)-6-methoxy-2-pyrazinyloxy]-N,N-diethyl-acetamide

2,3-Dichloro-*N*-{5-[2-(dimethylamino)ethylsulphonyl]-3-methoxy-2-pyrazinyl}benzenesulphonamide

2,3-Dichloro-*N*-(5-difluoromethyl-3-methoxy-2-pyrazinyl)benzenesulphonamide

2,3-Dichloro-4-fluoro-*N*-(3-methoxy-2-pyrazinyl)benzenesulphonamide, or

~~2,3-Dichloro-*N*-(5-chloro-3-[1-(cyclopropyl)ethoxy]-2-pyrazinyl)benzenesulphonamide~~

~~2,3-Dichloro-*N*-(5-chloro-3-(5-formyl-2-furanyl-methoxy)-2-pyrazinyl)benzenesulphonamide~~

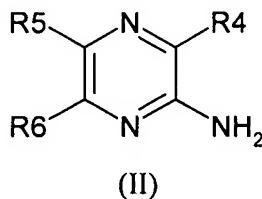
~~2,3-Dichloro-*N*-(5-chloro-3-(5-cyclopropylaminomethyl-2-furanyl-methoxy)-2-pyrazinyl)-benzenesulphonamide~~

N-[5,6-*bis*-(Hydroxymethyl)-3-methoxy-2-pyrazinyl]-2,3-dichlorobenzenesulphonamide

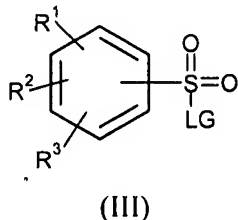
~~*N*-(3-[(2-amino-4-oxazolyl)methoxy]-5-chloro-2-pyrazinyl)-2,3-dichlorobenzenesulphonamide~~
or a and pharmaceutically acceptable salt salts and solvates thereof.

Claim 7 (**withdrawn: currently amended**): A process for the preparation of compound (I) which comprises:

(a) reaction of a compound of formula (II):



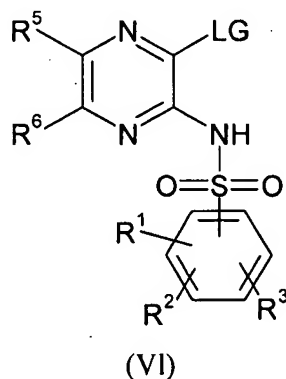
where R⁴, R⁵ and R⁶ are as defined in formula (I) or are protected derivatives thereof with a compound of formula (III):



where R¹, R² and R³ are as defined in formula (I) or are protected derivatives thereof and LG is a leaving group, or

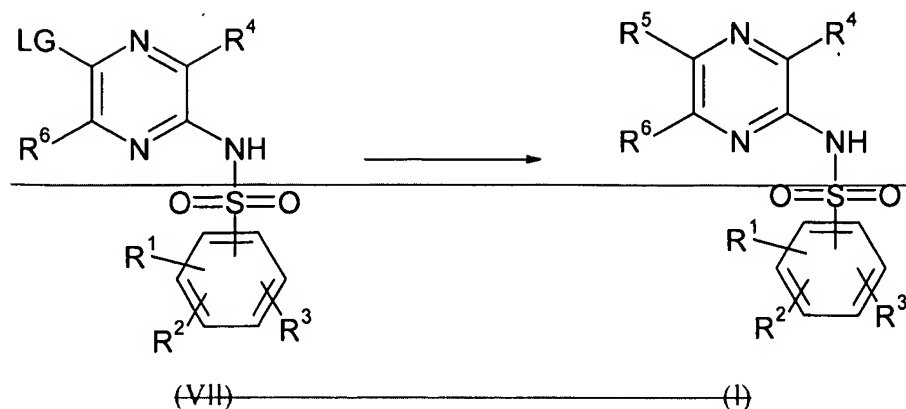
- (b) for compounds where R^4 is C_{1-6} alkoxy where the alkyl group may form a 3-6 membered saturated ring or may be substituted with 1-3 fluorine atoms or a cyano group;
 C_{3-6} -alkenyloxy or C_{3-6} -alkynyloxy where either may be optionally substituted with hydroxy or $NR^{14}R^{15}$;
 OC_{1-6} -alkyl-X- C_{1-6} -alkyl where the alkyl groups may form a 3-6 membered saturated ring;
 OC_{1-6} -alkyl R^{11} , or OC_{2-6} -alkyl-X- R^{11} where the alkyl group may form a 3-6 membered saturated ring and is optionally substituted with 1-3 groups selected from hydroxy, halogen, $NR^{14}R^{15}$, SR^{13} , $S(O)_2R^{13}$, $S(O)R^{13}$, or
 OC_{1-6} -alkyl R^{16} ;

treating a compound of the formula (VI), where LG is a leaving group:



with a compound of formula R^4-H (V) in the presence of a suitable base, or

- (e) for compounds of structure (I), where R^5 is an optionally substituted aryl or heteroaryl ring as defined above, reacting a compound of formula (XI) or (VII) where LG is a leaving group with an aryl or heteroaryl boronic acid in the presence of a palladium catalyst and a suitable base at elevated temperature;



and optionally thereafter process (a) or (b) ~~or~~ (c)

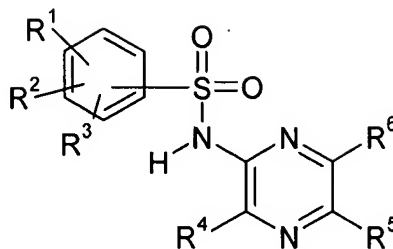
- removing any protecting groups,
- converting a compound of formula (I) to a further compound of formula (I)
- forming a pharmaceutically acceptable salt.

Claim 8 (**currently amended**): A pharmaceutical composition comprising a compound of formula (I), or a pharmaceutically acceptable salt ~~or solvate~~ thereof, as claimed in claim 1 in association with a pharmaceutically acceptable adjuvant, diluent or carrier.

Claim 9 (**withdrawn: currently amended**): A process for the preparation of a pharmaceutical composition as claimed in claim 8 ~~2~~ which comprises mixing a compound of formula (I), or a pharmaceutically acceptable salt ~~or solvate~~ thereof, as claimed in claim 1 with a pharmaceutically acceptable adjuvant, diluent or carrier.

Claim 10 (**cancelled**).

Claim 11 (**withdrawn: currently amended**): A method of treating a chemokine mediated disease wherein the chemokine binds to one or more chemokine receptors, which comprises administering to a patient a therapeutically effective amount of a compound of formula (IB), or a pharmaceutically acceptable salt ~~or solvate~~ thereof:



(IB)

in which:

R^1 , R^2 and R^3 are independently hydrogen, chlorine, fluorine, bromine halogen, or cyano, CF_3 , or C_{1-6} -alkyl;

R^4 is halogen, CO_2R^{12} or; C_{1-6} alkoxy where the alkyl group may form a 3-6 membered saturated ring or may be substituted with 1-3 fluorine atoms or a cyano group;

~~C_{3-6} -alkenyloxy or C_{3-6} -alkynyloxy where either may be optionally substituted with hydroxy or $NR^{14}R^{15}$;~~

~~OC_{1-6} -alkyl-X- C_{1-6} -alkyl where the alkyl groups may form a 3-6 membered saturated ring;~~

~~OC_{1-6} -alkyl R^{11} , or OC_{2-6} -alkyl-X- R^{11} where the alkyl group may form a 3-6 membered saturated ring and is optionally substituted with 1-3 groups selected from hydroxy, halogen, $NR^{14}R^{15}$, SR^{13} , $S(O)_2R^{13}$, $S(O)R^{13}$;~~

~~OC_{1-6} -alkyl R^{16} ;~~

R^5 and R^6 are independently hydrogen, cyano, halogen, CO_2R^{12} , $CONR^{14}R^{15}$;

C_{1-6} alkyl optionally substituted by hydroxy, $NR^{14}R^{15}$, or 1-3 fluorines;

~~C_{1-6} -alkyl R^{11} or $XCH(R^{11})C_{1-6}$ -alkyl or $XCH(R^{16})C_{1-6}$ -alkyl where the alkyl group may be optionally substituted with 1-3 groups selected from hydroxy, and $NR^{14}R^{15}$;~~

~~$NR^{14}R^{15}$; $N(R^{11})R^{11}$; $X-(CH_2)_qNR^{14}R^{15}$; $(CH_2)_nNR^{14}R^{15}$;~~

C_{3-6} alkynyl or C_{3-6} alkenyl optionally branched and optionally substituted with 1-3 groups selected from hydroxy, cyano, halogen and =O;

R^{11} ; $X-R^{11}$; $X-R^{12}$; $X-C_{1-6}$ -alkyl R^{16} ; $X-R^{16}$; $X-(CH_2)_nCO_2R^{12}$; $X-(CH_2)_nCONR^{14}R^{15}$;

$X-(CH_2)_nR^{11}$; $X-(CH_2)_nCN$; $X-(CH_2)_qOR^{12}$; $(CH_2)_nOR^{12}$;

$(CH_2)_n-X-R^{11}$; $X-(CH_2)_qNHC(O)NHR^{12}$; $X-(CH_2)_qNHC(O)R^{12}$;

$X-(CH_2)_qNHS(O)_2R^{12}$; $X-(CH_2)_qNHS(O)_2R^{11}$; $X-C_{3-6}$ alkenyl; $X-C_{3-6}$ alkynyl;

n is 1, 2, 3, 4 or 5;

q is 2, 3, 4, 5 or 6;

X is NR^{13} , O, S, S(O) , S(O)_2 ;

~~R^{14} is an aryl group or a 5-7 membered heteraromatic ring containing 1-4 heteroatoms selected from nitrogen, oxygen or sulphur each of which can be optionally substituted by 1-3 groups selected from halogen, $\text{C(O)NR}^{14}\text{R}^{15}$, C(O)OR^{12} , hydroxy, $=\text{O}$, $=\text{S}$, CN, NO_2 , $\text{NR}^{14}\text{R}^{15}$, $\text{X(CH}_2)_q\text{NR}^{14}\text{R}^{15}$, $(\text{CH}_2)_n\text{NR}^{14}\text{R}^{15}$, $(\text{CH}_2)_n\text{OH}$, SR^{13} , S(O)R^{13} , $\text{S(O)}_2\text{R}^{13}$, $\text{C}_{1-6}\text{-alkyl-X-C}_{1-6}\text{-alkyl}$, $\text{C}_{1-6}\text{-alkyl}$ or $\text{C}_{1-6}\text{-alkoxy}$ where the alkyl group may form a 3-6 membered ring or is optionally substituted with 1-3 groups selected from hydroxy, halogen, $\text{NR}^{14}\text{R}^{15}$, SR^{13} , S(O)R^{13} , $\text{S(O)}_2\text{R}^{13}$;~~

R^{12} and R^{13} are independently hydrogen or C_{1-6} alkyl where the alkyl group may be substituted with 1-3 fluorine atoms; ~~or may form a saturated 3-6 membered ring; and~~

R^{14} and R^{15} are independently hydrogen, C_{1-6} alkyl, ~~C_{3-6} cycloalkyl or $(\text{CH}_2)_q\text{OH}$;~~

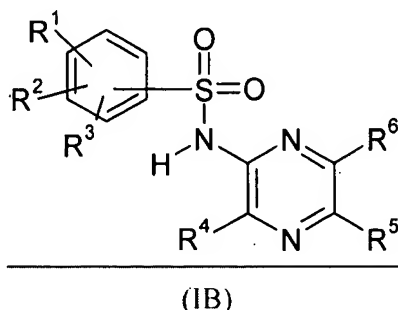
~~or R^{14} and R^{15} together with the nitrogen atom to which they are attached form a 4-8 membered saturated ring containing 1-3 heteroatoms selected from nitrogen, oxygen and sulphur and optionally substituted by $\text{C}_{1-6}\text{-alkyl}$, $\text{C}_{1-6}\text{-alkyl-OH}$, or hydroxy; and~~

~~R^{16} is a 4-8 membered saturated ring containing 1-3 heteroatoms selected from nitrogen, oxygen or sulphur and optionally substituted with 1-3 groups selected from hydroxy, cyano, halogen and $=\text{O}$;~~

Claim 12 (**withdrawn: currently amended**): AThe method according to claim 11 in which the chemokine receptor belongs to the CCR chemokine receptor subfamily.

Claim 13 (**withdrawn: currently amended**): TheA method according to claim 11 or 12 in which the chemokine receptor is the CCR4 receptor.

Claim 14 (**withdrawn: currently amended**): A method of treating an inflammatory disease in a patient suffering from, or at risk of, said disease, which comprises administering to the patient a therapeutically effective amount of a compound of formula (IB), or a pharmaceutically acceptable salt or solvate thereof, as defined in claim 11.



in which:

R¹, R² and R³ are independently hydrogen, chlorine, fluorine, bromine or cyano;

R⁴ is halogen, CO₂R¹² or C₁₋₆ alkoxy where the alkyl group may be substituted with 1-3 fluorine atoms or a cyano group;

R⁵ and R⁶ are independently hydrogen, cyano, halogen, CO₂R¹², CONR¹⁴R¹⁵;

C₁₋₆ alkyl optionally substituted by hydroxy, NR¹⁴R¹⁵, or 1-3 fluorines;

C₃₋₆ alkynyl or C₃₋₆ alkenyl optionally branched and optionally substituted with 1-3 groups selected from hydroxy, cyano, halogen and =O;

X-R¹²; X-(CH₂)_nCO₂R¹²; X-(CH₂)_nCONR¹⁴R¹⁵;

X-(CH₂)_nCN; X-(CH₂)_qOR¹²; (CH₂)_nOR¹²;

X-(CH₂)_qNHC(O)NHR¹²; X-(CH₂)_qNHC(O)R¹²;

X-(CH₂)_qNHS(O)-R¹²; X-C₃₋₆alkenyl; X-C₃₋₆alkynyl;

n is 1, 2, 3, 4 or 5;

q is 2, 3, 4, 5 or 6;

X is NR¹³, O, S, S(O), S(O)₂;

R¹² and R¹³ are independently hydrogen or C₁₋₆ alkyl where the alkyl group may be substituted with 1-3 fluorine atoms; and

R¹⁴ and R¹⁵ are independently hydrogen, C₁₋₆ alkyl or (CH₂)_qOH.

Claim 15 (**withdrawn: currently amended**): A The method according to claim 14, wherein the disease is asthma.

Claim 16 (**new**): A compound according to claim 1 which is 2,3-dichloro-*N*-(3-methoxy-2-pyrazinyl)benzenesulphonamide or a pharmaceutically acceptable salt thereof.

Claim 17 (**new**): A compound according to claim 1 which is 2,3-dichloro-*N*-[5-(hydroxymethyl)-3-methoxy-6-methyl-2-pyrazinyl]benzenesulphonamide or a pharmaceutically acceptable salt thereof

Claim 18 (**new**): A compound according to claim 1 which is 2,3-dichloro-*N*-[6-chloro-5-(hydroxymethyl)-3-methoxypyrazin-2-yl]benzenesulphonamide or a pharmaceutically acceptable salt thereof.

Claim 19 (**new**): A compound according to claim 1 which is 2,3-dichloro-*N*-[6-chloro-3-methoxy-5-(methoxymethyl)-2-pyrazinyl]benzenesulphonamide or a pharmaceutically acceptable salt thereof.

Claim 20 (**new**): A compound according to claim 1 which is 2,3-dichloro-*N*-[5-(hydroxymethyl)-3-methoxy-2-pyrazinyl]benzenesulphonamide or a pharmaceutically acceptable salt thereof.